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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: William F. STOUT et al
Serial No.: 09/838,129
Filed: April 20, 2001
For: A LATENT PROPERTY DIAGNOSING PROCEDURE
Group: 3712
Examiner:

INFORMATION DISCLOSURE STATEMENT

Honorable Commissioner of
Patents and Trademarks
Washington, D. C. 20231

January 7, 2002

Sir:

The following publications were considered during the
preparation of the above-referenced patent application:

- (1) IRT Applications in Cognitive and Developmental Assessment (Chapter 11) appearing in *Item Response Theory for Psychologists* (2000), by Susan Embretson and Steve Reise, published by L. Erlbaum, Mahwah, NJ, (Chapter 18), pp. 273-305.
- (2) On the Interplay Between Nonparametric and Parametric IRT, with Some Thoughts About the Future, by Brian Junker, (Chapter 14), pp. 247-276. appearing in *Essays on Item Response Theory 2000*, edited by Boomsma, van Duijn and Snijders.
- (3) Multicomponent Response Models (Chapter 18), by Susan E. Embretson, pp. 305-321, appearing in *Handbook of Modern Item Response Theory* (1997), edited by van der Linden and Hambleton, published by Springer: New York.

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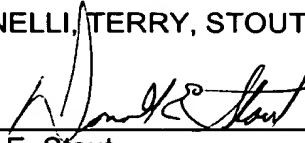
- (4) Toward an Integration of Item-Response Theory and Cognitive Error Diagnosis, by Kikumi K. Tatsuoka, (Chapter 18), pp. 453-488, appearing in *Diagnostic Monitoring of Skill and Knowledge Acquisition*, by Lawrence Erlbaum, Mahwah, New Jersey.
- (5) Probability-Based Inference in Cognitive Diagnosis (Chapter 3), in *Cognitive Diagnostic Assessment* (1995) by Robert J. Mislevy, pp. 43-71, edited by Nichols, Chipman and Brennan, published by Erlbaum: Mahwah, New Jersey.
- (6) A Straightforward Approach to Markov Chain Monte Carlo Methods of Item Response Models, by Richard J. Patz & Brian W. Junker, appearing in *Journal of Educational and Behavioral Statistics*, Summer 1999, vol. 24, No. 2, pp. 146-178.
- (7) Unified Cognitive/Psychometric Diagnostic Assessment Likelihood-Based Classification Techniques (Chapter 15), by Louis V. DiBello, William F. Stout & Louis A. Roussos, pp. 361-389, in *Cognitively Diagnostic Assessment* (1995), edited by Nichols, Chipman, Brennan, published by Erlbaum: Mahwah, New Jersey.
- (8) Correspondence, Fuzzy Set Theory in Medical Diagnosis, by Klaus-Peter Adlassnig, appearing in *IEEE Transactions on Systems, Man and Cybernetics*, Vol. SMC-16, No. 2, March/April 1986, pp. 260-265.
- (9) Algorithms for Bayesian Belief-Network Precomputation, by E. H. Herskovits, G. F. Cooper, appearing in *Methods of Information in Medicine*, Vol. 30, No. 2, (1991), pp. 81-89.
- (10) Problem Area Formation as an Element of Computer Aided Diagnosis: A Comparison of Two Strategies Within Quick Medical Reference (QMR), by L. Berman, R.A. Miller, appearing in *Method of Information in Medicine*, Vol. 30, No. 2 (1991), pp. 90-95.
- (11) The Linear Logistic Text Model as an Instrument in Educational Research, by Gerhard H. Fischer, appearing in *Acta Pshychologica* 37, pp. 359-374, ©North-Holland Publishing Company 1973.
- (12) Rule Space: An approach for Dealing With Misconceptions Based on Item Response Theory, by Kikumi K. Tatsuoka, appearing in *Journal of Educational Measurement*, Vol. 20, No. 4, Winter 1983.
- (13) Bayes Nets in Educational Assessment: Where do the Numbers Come From, by Robert J. Mislevy, Russell G. Almond, Duanli Yan and Linda S. Steinberg, appearing in CRESST/Educational Testing Service, CSE Technical Reports 518, March 2000

Copies are submitted herewith.

These publications have been commented upon in the specification to the degree that they are believed to be relevant to patentability. However, it is specifically requested that the Examiner independently consider each and every one of them and make them of record on the PTO-1449 Forms enclosed herewith.

Respectfully submitted,

ANTONELLI, TERRY, STOUT & KRAUS, LLP



Donald E. Stout
Registration No. 26,422
(703) 312-6600

Enclosures

DES:dlh